

Connecting via Winsock to STN

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LOGINTID: SSPTADEG1625

PASSWORD:
TERMINAL (ENTER 1, 2, 3, OR ?):2

* * * * * * * * * * * * * Welcome to STN International * * * * * * * * * * * * *

| | | |
|--------------|--------|---|
| NEWS 1 | | Web Page for STN Seminar Schedule - N. America |
| NEWS 2 | AUG 06 | CAS REGISTRY enhanced with new experimental property tags |
| NEWS 3 | AUG 06 | FSTA enhanced with new thesaurus edition |
| NEWS 4 | AUG 13 | CA/CAplus enhanced with additional kind codes for granted patents |
| NEWS 5 | AUG 20 | CA/CAplus enhanced with CAS indexing in pre-1907 records |
| NEWS 6 | AUG 27 | Full-text patent databases enhanced with predefined patent family display formats from INPADOCDB |
| NEWS 7 | AUG 27 | USPATOLD now available on STN |
| NEWS 8 | AUG 28 | CAS REGISTRY enhanced with additional experimental spectral property data |
| NEWS 9 | SEP 07 | STN AnaVist, Version 2.0, now available with Derwent World Patents Index |
| NEWS 10 | SEP 13 | FORIS renamed to SOFIS |
| NEWS 11 | SEP 13 | INPADOCDB enhanced with monthly SDI frequency |
| NEWS 12 | SEP 17 | CA/CAplus enhanced with printed CA page images from 1967-1998 |
| NEWS 13 | SEP 17 | CAplus coverage extended to include traditional medicine patents |
| NEWS 14 | SEP 24 | EMBASE, EMBAL, and LEMBASE reloaded with enhancements |
| NEWS 15 | OCT 02 | CA/CAplus enhanced with pre-1907 records from Chemisches Zentralblatt |
| NEWS 16 | OCT 19 | BEILSTEIN updated with new compounds |
| NEWS 17 | NOV 15 | Derwent Indian patent publication number format enhanced |
| NEWS 18 | NOV 19 | WPIX enhanced with XML display format |
| NEWS 19 | NOV 30 | ICSD reloaded with enhancements |
| NEWS 20 | DEC 04 | LINPADOCDB now available on STN |
| NEWS 21 | DEC 14 | BEILSTEIN pricing structure to change |
| NEWS 22 | DEC 17 | USPATOLD added to additional database clusters |
| NEWS 23 | DEC 17 | IMSDRUGCONF removed from database clusters and STN |
| NEWS 24 | DEC 17 | DGENE now includes more than 10 million sequences |
| NEWS 25 | DEC 17 | TOXCENTER enhanced with 2008 MeSH vocabulary in MEDLINE segment |
| NEWS 26 | DEC 17 | MEDLINE and LMEDLINE updated with 2008 MeSH vocabulary |
| NEWS 27 | DEC 17 | CA/CAplus enhanced with new custom IPC display formats |
| NEWS 28 | DEC 17 | STN Viewer enhanced with full-text patent content from USPATOLD |
| NEWS 29 | JAN 02 | STN pricing information for 2008 now available |
| NEWS 30 | JAN 16 | CAS patent coverage enhanced to include exemplified prophetic substances |
| NEWS EXPRESS | | 19 SEPTEMBER 2007: CURRENT WINDOWS VERSION IS V8.2, CURRENT MACINTOSH VERSION IS V6.0c(ENG) AND V6.0Jc(JP), AND CURRENT DISCOVER FILE IS DATED 19 SEPTEMBER 2007. |
| NEWS HOURS | | STN Operating Hours Plus Help Desk Availability |
| NEWS LOGIN | | Welcome Banner and News Items |
| NEWS IPC8 | | For general information regarding STN implementation of IPC |

Enter NEWS followed by the item number or name to see news on that specific topic.

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FILE 'HOME' ENTERED AT 16:03:25 ON 22 JAN 2008

| => file registry
COST IN U.S. DOLLARS | SINCE FILE
ENTRY | TOTAL
SESSION |
|--|---------------------|------------------|
| FULL ESTIMATED COST | 0.21 | 0.21 |

FILE 'REGISTRY' ENTERED AT 16:03:45 ON 22 JAN 2008
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STRUCTURE FILE UPDATES: 21 JAN 2008 HIGHEST RN 1000370-19-3
DICTIONARY FILE UPDATES: 21 JAN 2008 HIGHEST RN 1000370-19-3

N - SMC Information Use Policies enter HELP USAGETERMS for details.

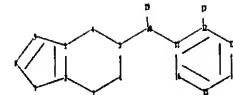
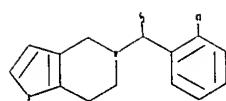
TECHNICAL INFORMATION NOW CURRENT THROUGH June 29, 2007

Please note that search-term pricing does apply when using SmartSELECT searches.

REGISTRY includes numerically searchable data for experimental and predicted properties as well as tags indicating availability of experimental property data in the original document. For information on property searching in REGISTRY, refer to:

<http://www.cas.org/support/stn/gen/stndoc/properties.html>

=> Uploading C:\Program Files\Stnexp\Queries\10-598790genA.str



chain nodes :

10 17 19

ring nodes :

1 2 3 4 5 6 7 8 9 11 12 13 14 15 16

chain bonds :

5-10 10-11 10-19 12-17

ring bonds :

1-2 1-6 2-3 2-7 3-4 3-9 4-5 5-6 7-8 8-9 11-12 11-16 12-13 13-14 14-15
15-16

exact/norm bonds :

1-2 1-6 2-3 2-7 3-4 3-9 4-5 5-6 5-10 7-8 8-9 10-19

exact bonds :

10-11 12-17

normalized bonds :

11-12 11-16 12-13 13-14 14-15 15-16

G1:C,H

Match level :

1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:Atom 8:Atom 9:Atom 10:CLASS

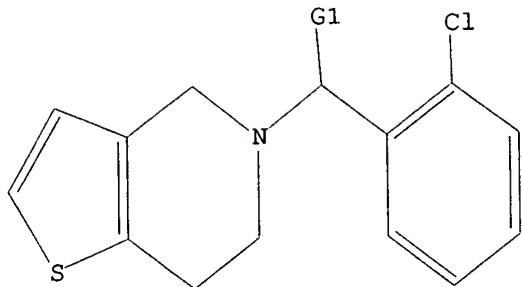
11:Atom 12:Atom 13:Atom 14:Atom 15:Atom 16:Atom 17:CLASS 19:CLASS

L1 STRUCTURE UPLOADED

=> d 11

L1 HAS NO ANSWERS

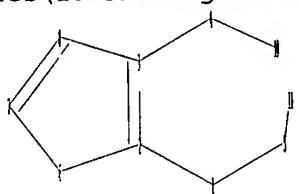
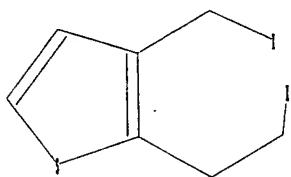
L1 STR



G1 C,H

Structure attributes must be viewed using STN Express query preparation.

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Uploading C:\Program Files\Stnexp\Queries\10-598790genB.str



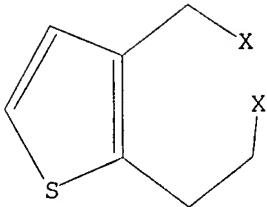
chain nodes :
1 4 5 10 11
ring nodes :
2 3 6 7 8
chain bonds :
1-2 1-5 3-4 4-10 5-11
ring bonds :
2-3 2-6 3-8 6-7 7-8
exact/norm bonds :
2-3 2-6 3-8 6-7 7-8
exact bonds :
1-2 1-5 3-4 4-10 5-11

G1:C,H

Match level :
1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:Atom 8:Atom 10:CLASS 11:CLASS

L2 STRUCTURE UPLOADED

=> d 12
L2 HAS NO ANSWERS
L2 STR



G1 C,H

Structure attributes must be viewed using STN Express query preparation.

=> s 11 full
 FULL SEARCH INITIATED 16:04:41 FILE 'REGISTRY'
 FULL SCREEN SEARCH COMPLETED - 3051 TO ITERATE

100.0% PROCESSED 3051 ITERATIONS 445 ANSWERS
 SEARCH TIME: 00.00.01

L3 445 SEA SSS FUL L1

=> s 12 full
 FULL SEARCH INITIATED 16:05:00 FILE 'REGISTRY'
 FULL SCREEN SEARCH COMPLETED - 1780 TO ITERATE

100.0% PROCESSED 1780 ITERATIONS 7 ANSWERS
 SEARCH TIME: 00.00.01

L4 7 SEA SSS FUL L2

| | | |
|----------------------|------------|---------|
| => file caplus | SINCE FILE | TOTAL |
| COST IN U.S. DOLLARS | ENTRY | SESSION |
| FULL ESTIMATED COST | 357.18 | 357.39 |

FILE 'CAPLUS' ENTERED AT 16:05:15 ON 22 JAN 2008
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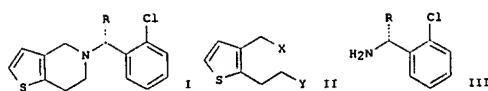
FILE COVERS 1907 - 22 Jan 2008 VOL 148 ISS 4
 FILE LAST UPDATED: 21 Jan 2008 (20080121/ED)

Effective October 17, 2005, revised CAS Information Use Policies apply.
 They are available for your review at:

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=> s 13
 L5 2375 L3

```
=> s 14  
L6           5 L4  
  
=> s 15 and 16  
L7           1 L5 AND L6  
  
=> d 17 abs ibib hitstr
```



AB Title compds. (I; R = H, MeO2C), were prepared by reaction of thiophene derivs. (II; X, Y = Cl, Br, mesyloxy, tosyloxy) with chlorobenzylamines (III; R as above). Thus, 2-(2-bromoethyl)-3-bromomethylthiophene (preparation given), 2-chlorobenzylamine, and diisopropylamine were refluxed together for 5 h in MeCN to give 78% Ticlopidine.

ACCESSION NUMBER: 2005:1026954 CAPLUS

DOCUMENT NUMBER: 143:326345
TITLE: preparation of chlorobenzylthienopyridines from chlorobenzylamines and hydroxymethylthiopheneethanol derivatives

INVENTOR(S): Yun, Sangmin; Kim, Eun Sook; Huh, Seock; Ha, Tae Hee; Suh, Kwee-Hyun; Lee, Gwan Sun

PATENT ASSIGNEE(S): Hanmi Pharm. Co., Ltd., S. Korea

SOURCE: PCT Int. Appl. 31 pp.

DOCUMENT TYPE: Patent

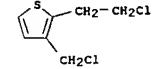
LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

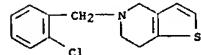
| PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|---|------|----------|------------------|------------|
| WO 2005087779 | A1 | 20050922 | WO 2005-KR586 | 20050303 |
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| RW: BW, GH, GE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZH, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG | | | | |
| KR 2005091330 | A | 20050915 | KR 2004-16714 | 20040312 |
| AU 2005222016 | A1 | 20050922 | AU 2005-222016 | 20050303 |
| CA 2559571 | A1 | 20050922 | CA 2005-2559571 | 20050303 |
| EP 1723149 | A1 | 20061122 | EP 2005-721898 | 20050303 |
| R: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LI, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR | | | | |
| CN 1930172 | A | 20070314 | CN 2005-80008059 | 20050303 |
| BR 2005008597 | A | 20070821 | BR 2005-8597 | 20050303 |
| JP 2007528895 | T | 20071018 | JP 2007-502702 | 20050303 |
| MX 2006PA10326 | A | 20061207 | MX 2006-PA10326 | 20060911 |
| US 2007197789 | A1 | 20070823 | US 2006-598790 | 20060912 |
| IN 2006DN05824 | A | 20070831 | IN 2006-DN5824 | 20061006 |
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PRIORITY APPLN. INFO.:



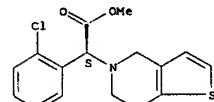
REFERENCE COUNT: 6 THERE ARE 6 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE REFORMAT

OTHER SOURCE(S): CASREACT 143:326345; MARPAT 143:326345
IT 55142-85-3P, Ticlopidine 113665-84-2P, Clopidogrel
RL: IMF (Industrial manufacture); SPN (Synthetic preparation); PREP (Preparation)
(preparation of chlorobenzylthienopyridines from chlorobenzylamines
and hydroxymethylthiopheneethanol derivs.)
RN 55142-85-3 CAPLUS
CN Thieno[3,2-c]pyridine, 5-[(2-chlorophenyl)methyl]-4,5,6,7-tetrahydro-
(CA INDEX NAME)



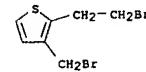
RN 113665-84-2 CAPLUS
CN Thieno[3,2-c]pyridine-5(4H)-acetic acid, α -(2-chlorophenyl)-6,7-dihydro-, methyl ester, (aS)- (CA INDEX NAME)

Absolute stereochemistry. Rotation (+).



IT 865187-82-2P 865187-83-3P
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(preparation of chlorobenzylthienopyridines from chlorobenzylamines
and hydroxymethylthiopheneethanol derivs.)

RN 865187-82-2 CAPLUS
CN Thiophene, 2-(2-bromoethyl)-3-(bromomethyl)- (CA INDEX NAME)



RN 865187-83-3 CAPLUS
CN Thiophene, 2-(2-chloroethyl)-3-(chloromethyl)- (CA INDEX NAME)

| | | |
|--|------------|---------|
| => log hold | SINCE FILE | TOTAL |
| COST IN U.S. DOLLARS | ENTRY | SESSION |
| FULL ESTIMATED COST | 6.89 | 364.28 |
| DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS) | SINCE FILE | TOTAL |
| | ENTRY | SESSION |
| CA SUBSCRIBER PRICE | -0.80 | -0.80 |

SESSION WILL BE HELD FOR 120 MINUTES
 STN INTERNATIONAL SESSION SUSPENDED AT 16:06:58 ON 22 JAN 2008

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LOGINID:SSPTADEG1625

PASSWORD:

* * * * * RECONNECTED TO STN INTERNATIONAL * * * * *
 SESSION RESUMED IN FILE 'CAPLUS' AT 16:10:39 ON 22 JAN 2008
 FILE 'CAPLUS' ENTERED AT 16:10:39 ON 22 JAN 2008
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| | | |
|--|------------|---------|
| COST IN U.S. DOLLARS | SINCE FILE | TOTAL |
| | ENTRY | SESSION |
| FULL ESTIMATED COST | 6.89 | 364.28 |
| DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS) | SINCE FILE | TOTAL |
| | ENTRY | SESSION |
| CA SUBSCRIBER PRICE | -0.80 | -0.80 |

=> d hist

(FILE 'HOME' ENTERED AT 16:03:25 ON 22 JAN 2008)

FILE 'REGISTRY' ENTERED AT 16:03:45 ON 22 JAN 2008

| | |
|----|--------------------|
| L1 | STRUCTURE UPLOADED |
| L2 | STRUCTURE UPLOADED |
| L3 | 445 S L1 FULL |
| L4 | 7 S L2 FULL |

FILE 'CAPLUS' ENTERED AT 16:05:15 ON 22 JAN 2008

| | |
|----|---------------|
| L5 | 2375 S L3 |
| L6 | 5 S L4 |
| L7 | 1 S L5 AND L6 |

| | | |
|--|------------|---------|
| => file registry | SINCE FILE | TOTAL |
| COST IN U.S. DOLLARS | ENTRY | SESSION |
| FULL ESTIMATED COST | 7.37 | 364.76 |
| DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS) | SINCE FILE | TOTAL |
| | ENTRY | SESSION |
| CA SUBSCRIBER PRICE | -0.80 | -0.80 |

FILE 'REGISTRY' ENTERED AT 16:11:00 ON 22 JAN 2008

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STRUCTURE FILE UPDATES: 21 JAN 2008 HIGHEST RN 1000370-19-3
DICTIONARY FILE UPDATES: 21 JAN 2008 HIGHEST RN 1000370-19-3

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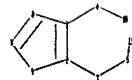
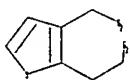
TSCA INFORMATION NOW CURRENT THROUGH June 29, 2007

Please note that search-term pricing does apply when
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REGISTRY includes numerically searchable data for experimental and
predicted properties as well as tags indicating availability of
experimental property data in the original document. For information
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<http://www.cas.org/support/stngen/stndoc/properties.html>

=>
Uploading C:\Program Files\Stnexp\Queries\10-598790genC.str



chain nodes :

```

1 4 5 10 11
ring nodes :
2 3 6 7 8
chain bonds :
1-2 1-5 3-4 4-10 5-11
ring bonds :
2-3 2-6 3-8 6-7 7-8
exact/norm bonds :
2-3 2-6 3-8 4-10 5-11 6-7 7-8
exact bonds :
1-2 1-5 3-4

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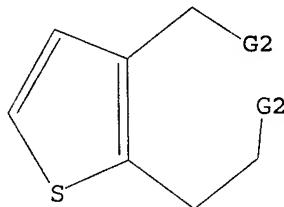
G1:C,H

G2:X,S,Cl,Br,I

Match level :
1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:Atom 8:Atom 10:CLASS 11:CLASS

L8 STRUCTURE UPLOADED

=> d 18
L8 HAS NO ANSWERS
L8 STR



G1 C,H

.G2 X,S,Cl,Br,I

Structure attributes must be viewed using STN Express query preparation.

=> s 18 full
FULL SEARCH INITIATED 16:11:47 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED - 1842 TO ITERATE

100.0% PROCESSED 1842 ITERATIONS 7 ANSWERS
SEARCH TIME: 00.00.01

L9 7 SEA SSS FUL L8

| | | |
|--|------------|---------|
| => file caplus | SINCE FILE | TOTAL |
| COST IN U.S. DOLLARS | ENTRY | SESSION |
| FULL ESTIMATED COST | 178.82 | 543.58 |
| DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS) | SINCE FILE | TOTAL |

CA SUBSCRIBER PRICE

ENTRY SESSION
0.00 -0.80

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FILE COVERS 1907 - 22 Jan 2008 VOL 148 ISS 4
FILE LAST UPDATED: 21 Jan 2008 (20080121/ED)

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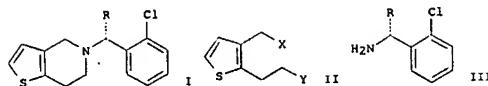
<http://www.cas.org/infopolicy.html>

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=> s 19
L10      5 L9

=> s 15 and l10
L11      1 L5 AND L10

=> d l11 abs ibib hitstr
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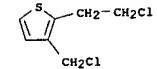
=> d 110 1-5 abs ibib hitstr



AB Title compds. (I; R = H, MeO₂C), were prepared by reaction of thiophene derivs. (II; X, Y = Cl, Br, mesyloxy, tosyloxy) with chlorobenzylamines (III; R as above). Thus, 2-(2-bromoethyl)-3-bromomethylthiophene (preparation given), 2-chlorobenzylamine, and diisopropylamine were refluxed together for 5 h in MeCN to give 78% Ticlopidine.

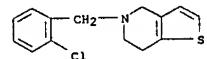
ACCESSION NUMBER: 20051026954 CAPLUS
DOCUMENT NUMBER: 143:326345
TITLE: preparation of chlorobenzylthienopyridines from chlorobenzylamines and hydroxymethylthiopheneethanol derivatives
INVENTOR(S): Yun, Sangmin; Kim, Eun Sook; Kim, Hee Seock; Ha, Tae Hee; Suh, Kwee-Hyun; Lee, Gwan Sun
PATENT ASSIGNEE(S): Hamui Pharm. Co., Ltd., S. Korea
SOURCE: PCT Int. Appl., 31 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

| PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|---|------|----------|------------------|------------|
| WO 2005087779 | A1 | 20050922 | WO 2005-KR586 | 20050303 |
| W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CN, CH, CN, CO, CR, CU, C2, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, ON, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW | | | | |
| RW: BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, T2, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG | | | | |
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| AU 2005222016 | A1 | 20050922 | AU 2005-222016 | 20050303 |
| CA 2559571 | A1 | 20050922 | CA 2005-2559571 | 20050303 |
| EP 1723149 | A1 | 20061122 | EP 2005-721898 | 20050303 |
| R: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LI, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR | | | | |
| CN 1930172 | A | 20070314 | CN 2005-80006059 | 20050303 |
| BR 2005008597 | A | 20070821 | BR 2005-8597 | 20050303 |
| JP 2007528895 | T | 20071018 | JP 2007-502702 | 20050303 |
| MX 2006PA10326 | A | 20061207 | MX 2006-PA10326 | 20060911 |
| US 2007197789 | A1 | 20070823 | US 2006-598790 | 20060912 |
| IN 2006DN05824 | A | 20070831 | IN 2006-DN5824 | 20061006 |
| PRIORITY APPN. INFO.: | | | KR 2004-16714 | A 20040312 |



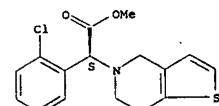
REFERENCE COUNT: 6 THERE ARE 6 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

OTHER SOURCE(S): CASREACT 143:326345; MARPAT 143:326345
IT 55142-85-3P, Ticlopidine 113665-84-2P, Clopidogrel
RL: IMF (Industrial manufacturer); SPN (Synthetic preparation); PREP (Preparation)
(preparation of chlorobenzylthienopyridines from chlorobenzylamines and hydroxymethylthiopheneethanol derivs.)
RN 55142-85-3 CAPLUS
CN Thieno[3,2-c]pyridine, 5-((2-chlorophenyl)methyl)-4,5,6,7-tetrahydro-(CA INDEX NAME)

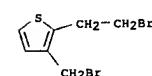


RN 113665-84-2 CAPLUS
CN Thieno[3,2-c]pyridine-5(4H)-acetic acid, α -(2-chlorophenyl)-6,7-dihydro-, methyl ester, (aS)- (CA INDEX NAME)

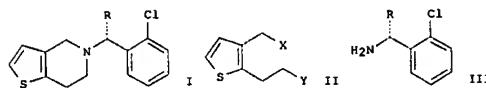
Absolute stereochemistry. Rotation (+).



IT 865187-82-2P 865187-83-3P
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(preparation of chlorobenzylthienopyridines from chlorobenzylamines and hydroxymethylthiopheneethanol derivs.)
RN 865187-82-2 CAPLUS
CN Thiophene, 2-(2-bromoethyl)-3-(bromomethyl)- (CA INDEX NAME)



RN 865187-83-3 CAPLUS
CN Thiophene, 2-(2-chloroethyl)-3-(chloromethyl)- (CA INDEX NAME)



AB Title compds. (I; R = H, MeO₂C), were prepared by reaction of thiophene derivs. (II; X, Y = Cl, Br, mesyloxy, tosyloxy) with chlorobenzylamines (III; R as above). Thus, 2-(2-bromomethyl)-3-bromomethylthiophene (preparation given), 2-chlorobenzylamine, and diisopropylamine were refluxed together for 5 h in MeCN to give 78% Ticlopidine.

ACCESSION NUMBER: 2005:1026954 CAPLUS

DOCUMENT NUMBER: 143:326345

TITLE: preparation of chlorobenzylthienopyridines from chlorobenzylamines and hydroxymethylthiopheneethanol derivatives

INVENTOR(S): Yun, Sangmin; Kim, Eun Sook; Kim, Hee Seock; Ha, Tae Hee; Suh, Kwee-Hyun; Lee, Gwan Sun

PATENT ASSIGNEE(S): Hamil Pharm. Co. Ltd., S. Korea

SOURCE: PCT Int. Appl., 31 pp.

CODEN: PIXXD2

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

| PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|---|------|----------|------------------|------------|
| WO 2005087779 | A1 | 20050922 | WO 2005-KR586 | 20050303 |
| W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KZ, LC, LK, LR, LS, LT, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW | | | | |
| RW: BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG | | | | |
| KR 2005091330 | A | 20050915 | KR 2004-16714 | 20040312 |
| AU 2005222016 | A1 | 20050922 | AU 2005-222016 | 20050303 |
| CA 2559571 | A1 | 20050922 | CA 2005-2559571 | 20050303 |
| EP 1723149 | A1 | 20061122 | EP 2005-721898 | 20050303 |
| R: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LI, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR | | | | |
| CN 1930172 | A | 20070314 | CN 2005-80008059 | 20050303 |
| BR 2005008597 | A | 20070821 | BR 2005-0597 | 20050303 |
| JP 2007528895 | T | 20071018 | JP 2007-502702 | 20050303 |
| MX 2006PA10326 | A | 20061207 | MX 2006-PA10326 | 20060911 |
| US 2007197789 | A1 | 20070823 | US 2006-598790 | 20060912 |
| IN 2006DN05824 | A | 20070831 | IN 2006-DN5824 | 20061006 |
| PRIORITY APPLN. INFO.: | | | KR 2004-16714 | A 20040312 |

AB Approaches to tetrakis(2-chlorotetrafluoroethyl)tetrahedrane from 1,6-dichlorooctafluoro-3-hexyne were explored. The synthesis and chemical

are described of cyclopropenyl ketenimines, a Dewar thiophene [i.e., 1,2,3,4-tetrakis(1-chloro-1,2,2-tetrafluoroethyl)-5-thiabicyclo[2.1.0]pent-2-ene] and a cyclobutadienetricarbonyliron complex derived from this acetylene.

ACCESSION NUMBER: 2000:200704 CAPLUS

DOCUMENT NUMBER: 133:30529

TITLE: Synthetic approaches to a fluorinated tetrahedrane
AUTHOR(S): Smith, J. R.; Lemal, D. M.

CORPORATE SOURCE: Department of Chemistry, Dartmouth College, Hanover, NH, USA

SOURCE: Journal of Fluorine Chemistry (2000), 102(1-2), 323-332

CODEN: JFLCAR; ISSN: 0022-1139

PUBLISHER: Elsevier Science S.A.

DOCUMENT TYPE: Journal

LANGUAGE: English

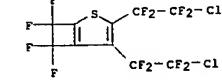
IT 272788-57-5P

RL: SPN (Synthetic preparation); PREP (Preparation)

(preparation of)

RN 272788-57-5 CAPLUS

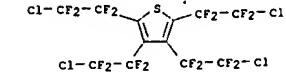
CN 2-Thiabicyclo[3.2.0]hepta-1(5),3-diene, 3,4-bis(2-chloro-1,2,2-tetrafluoroethyl)-6,6,7,7-tetrafluoro- (9CI) (CA INDEX NAME)



IT 272788-55-3P, Tetrakis(2-chloro-1,1,2,2-tetrafluoroethyl)thiophene
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(synthetic approaches to tetrakis(chlorotetrafluoroethyl)tetrahedrane)

RN 272788-55-3 CAPLUS

CN Thiophene, tetrakis(2-chloro-1,1,2,2-tetrafluoroethyl)- (9CI) (CA INDEX NAME)



REFERENCE COUNT: 36 THERE ARE 36 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE

FORMAT

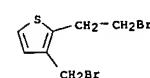
OTHER SOURCE(S): CASREACT 143:326345; MARPAT 143:326345

IT 865187-82-2P 865187-83-3P
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(preparation of chlorobenzylthienopyridines from chlorobenzylamines and

hydroxymethylthiopheneethanol derivs.)

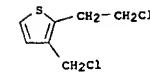
RN 865187-82-2 CAPLUS

CN Thiophene, 2-(2-bromoethyl)-3-(bromomethyl)- (CA INDEX NAME)



RN 865187-83-3 CAPLUS

CN Thiophene, 2-(2-chloroethyl)-3-(chloromethyl)- (CA INDEX NAME)



REFERENCE COUNT: 6 THERE ARE 6 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE

FORMAT

AB 1-(Alkylthio)difluoropropynes regioselectively add dialkylamines and mercaptans with formation of 1-(alkylthio)-2-dialkylamino(alkylthio)ethenes, which exist only in the form of one, presumably the trans geometrical isomer. Thermal transformation of 1-(alkylthio)difluoropropynes occurs

at a temperature of under 100°C and leads to the formation of 2,4-bis(polyfluoroalkyl)-3-(alkylthio) thiophenes.

ACCESSION NUMBER: 1998:228321 CAPLUS

DOCUMENT NUMBER: 128:270479

TITLE: 1-(Alkylthio)polyfluorocalkynes. Reactions with mercaptans and thermal transformations

AUTHOR(S): Shermolovich, Yuri G.; Timoshenko, Vadim M.; Musyanovich, Rostislav Ya.; Povolotsky, Mark I.; Pirozhenko, Vladimir V.; Markovsky, Leonid N.

CORPORATE SOURCE: Institut of Organic Chemistry, National Academy of Sciences, 25360, Ukraine

SOURCE: Heteroatom Chemistry (1998), 9(2), 151-154

PUBLISHER: John Wiley & Sons, Inc.

DOCUMENT TYPE: Journal

LANGUAGE: English

OTHER SOURCE(S): CASREACT 128:270479

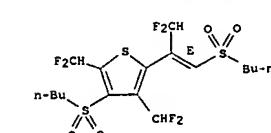
IT 205521-96-6P RL: SPN (Synthetic preparation); PREP (Preparation)

(preparation of)

RN 205521-96-6 CAPLUS

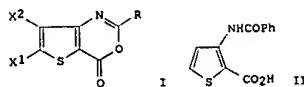
CN Thiophene, 3-(butylsulfonyl)-5-[2-(butylsulfonyl)-1-(difluoromethyl)ethenyl]-2,4-bis(difluoromethyl)-, (E)- (9CI) (CA INDEX NAME)

Double bond geometry as shown.



REFERENCE COUNT: 14 THERE ARE 14 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE

FORMAT



AB Thienooxazinone derivs. (I; R = (substituted) alkyl, Ph, naphthyl; X1, X2 = H, halo, CO2H, NO2, OH, cyano, etc.) are prepared Refluxing a solution of thiophene derivative II in HOAc-Ac2O at 120° gave 76.7% I (R = Ph, X1 = X2 = H), which killed 100% Abutilon avicinnae, Amaranthus retroflexus, etc., and 80% barnyard grass at 1000 gal/10 acre as a dilute aqueous spray. Also

prepared and tested were 119 addnl. I.

ACCESSION NUMBER: 1992:214514 CAPLUS

DOCUMENT NUMBER: 116:214514

TITLE: Preparation of thienooxazinone derivatives as fungicides and herbicides

INVENTOR(S): Ishizaki, Masahiko; Osada, Seiji; Kobutani, Tadashi

PATENT ASSIGNEE(S): Tokuyama Soda Co., Ltd., Japan

SOURCE: Jpn. Kokai Tokkyo Koho, 20 pp.

CODEN: JKXKAF

DOCUMENT TYPE: Patent

LANGUAGE: Japanese

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

| PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|-------------|------|----------|-----------------|----------|
| JP 03279387 | A | 19911210 | JP 1990-78635 | 19900329 |
| JP 2915059 | B2 | 19990705 | JP 1990-78635 | 19900329 |

PRIORITY APPLN. INFO.:

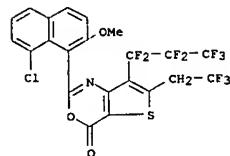
OTHER SOURCE(S): MARPAT 116:214514

IT 140425-40-7P RL: SPN (Synthetic preparation); PREP (Preparation)

(preparation of, as fungicide and herbicide)

RN 140425-40-7 CAPLUS

CN 4H-Thieno[3,2-d][1,3]oxazin-4-one,
2-(8-chloro-2-methoxy-1-naphthalenyl)-7-
(heptafluoropropyl)-6-(2,2,2-trifluoroethyl)- (9CI) (CA INDEX NAME)



AB Reactions between n-C6F13I, Cu, and various bromoheterocyclic compds. in DMSO provide a convenient method for the perfluoroalkylation of heterocyclic compds. By this method perfluoroalkylated products of pyridine and pyrimidine were synthesized in near quant. yields. Perfluoroalkylation of bromofurans and bromothiophenes also provided good yields of perfluoroalkylated products, however competing reactions also yielded various byproducts indicative of reductive dehalogenation, homocoupling, poly-substitution beyond the number of C-Br bonds in the starting heterocyclic compound and formation of structural isomers.

ACCESSION NUMBER: 1990:440405 CAPLUS

DOCUMENT NUMBER: 113:40405

TITLE: Polyfluoroalkylation of bromoheterocyclic compounds via perfluoroalkylcopper intermediates

AUTHOR(S): Chen, Grace J.; Taborowski, Christ

CORPORATE SOURCE: Res. Inst., Univ. Dayton, Dayton, OH, 45469, USA

SOURCE: Journal of Fluorine Chemistry (1990), 46(1), 137-59

CODEN: JFLCAR; ISSN: 0022-1139

DOCUMENT TYPE: Journal

LANGUAGE: English

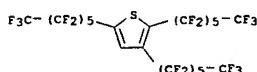
OTHER SOURCE(S): CASREACT 113:40405

IT 128032-25-7P RL: SPN (Synthetic preparation); PREP (Preparation)

(preparation of)

RN 128032-25-7 CAPLUS

CN Thiophene, 2,3,5-tris(tridecafluorohexyl)- (9CI) (CA INDEX NAME)



=>
=> log hold
COST IN U.S. DOLLARS

| | SINCE FILE ENTRY | TOTAL SESSION |
|---------------------|------------------|---------------|
| FULL ESTIMATED COST | 51.42 | 595.00 |

| DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS) | SINCE FILE ENTRY | TOTAL SESSION |
|--|------------------|---------------|
| CA SUBSCRIBER PRICE | -4.80 | -5.60 |

SESSION WILL BE HELD FOR 120 MINUTES
STN INTERNATIONAL SESSION SUSPENDED AT 16:35:10 ON 22 JAN 2008